

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4182506

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HARRY-HAK-LAY CHUANG	11/15/2016
SHENG-HAUNG HUANG	11/15/2016
HUNG-CHO WANG	10/27/2016
KUEI-HUNG SHEN	11/24/2016
SHY-JAY LIN	11/15/2016
RECEIVING PARTY DATA	
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City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300-78
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15281428
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ATTORNEY DOCKET NUMBER:	0941-3430PUS1
NAME OF SUBMITTER:	TUYEN LY
SIGNATURE:	/tuyen ly/
DATE SIGNED:	12/13/2016
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, Harry-Hak-Lay CHUANG, Sheng-Haung HUANG, Hung-Cho WANG, Kuei-Hung SHEN, and Shy-Jay LIN

hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: MRAM DEVICE AND METHOD FOR FABRICATING THE SAME

Filed: 09/30/2016

Serial No. 15/281,428

Executed on: 10/27/2016; 11/15/2016; 11/24/2016


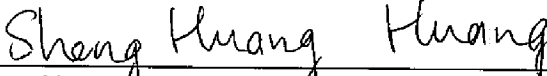
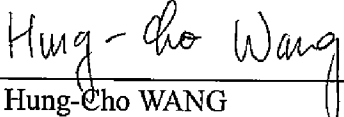
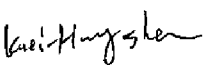

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd., of No. 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu 300-78, Taiwan R.O.C., hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

ASSIGNMENT

<u>2016/11/15</u>	
Date	Name: Harry-Hak-Lay CHUANG (Last name: CHUANG)
<u>2016/11/15</u>	
Date	Name: Sheng-Huang HUANG (Last name: HUANG)
<u>2016/10/27</u>	
Date	Name: Hung-Cho WANG (Last name: WANG)
<u>2016/11/24</u>	
Date	Name: Kuei-Hung SHEN (Last name: SHEN)
<u>2016/11/15</u>	
Date	Name: Shy-Jay LIN (Last name: LIN)